EduSahara™ Learning Center Assignment

Grade   : Class VI, ICSE
Chapter   : Percentage
Name   : Percentage Applications
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1. Out of 64 articles, 1 were damaged. What is the percentage of good articles?

   (i) 97.44% (ii) 100.44% (iii) 98.44% (iv) 96.44% (v) 99.44%

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2. Out of 113 articles, 2 were damaged. What is the percentage of good articles?

   (i) 98.23% (ii) 97.23% (iii) 99.23% (iv) 100.23% (v) 96.23%

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3. 4.00% of a number is 6.00 . What is 1.00% of the number?

   (i) 1.5 (ii) 2.5 (iii) 9.5 (iv) 0.5 (v) 3.5

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4. 37.00% of a number is 185.00 . What is 49.00% of the number?

   (i) 247 (ii) 245 (iii) 243 (iv) 246 (v) 244

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5. In a school of 900 students, 315 students are boys. The number of boys who failed the final exam is 105. The number of girls who failed is 245. The percentage of boys who passed the exam =

   (i) 66.67% (ii) 64.67% (iii) 67.67% (iv) 68.67% (v) 65.67%

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6. In a school of 600 students, 240 students are boys. The number of boys who failed the final exam is 130. The number of girls who failed is 130. The percentage of girls who passed the exam =

   (i) 62.89% (ii) 65.89% (iii) 63.89% (iv) 61.89% (v) 64.89%

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7. In a school of 700 students, 315 students are boys. The number of boys who failed the final exam is 225. The number of girls who failed is 85. The percentage of boys who failed the exam =

   (i) 73.43% (ii) 70.43% (iii) 72.43% (iv) 71.43% (v) 69.43%

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8. In a school of 700 students, 175 students are boys. The number of boys who failed the final exam is 115. The number of girls who failed is 135. The percentage of girls who failed the exam =

   (i) 25.71% (ii) 23.71% (iii) 24.71% (iv) 26.71% (v) 27.71%

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9. The cost of an article is ₹100.00. If it is increased by 6.00%, what is the new cost of the

article?

(i) ₹105.00 (ii) ₹108.00 (iii) ₹106.00 (iv) ₹107.00 (v) ₹104.00

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10. The cost of an article is ₹180.00. If it is increased by 20.00%, what is the new cost of the article?

(i) ₹218.00 (ii) ₹214.00 (iii) ₹215.00 (iv) ₹216.00 (v) ₹217.00

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11. The cost of an article is ₹90.00. If it is decreased by 4.00%, what is the new cost of the article?

(i) ₹88.40 (ii) ₹87.40 (iii) ₹85.40 (iv) ₹84.40 (v) ₹86.40

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12. The cost of an article is ₹160.00. If it is decreased by 10.00%, what is the new cost of the article?

(i) ₹145.00 (ii) ₹146.00 (iii) ₹143.00 (iv) ₹142.00 (v) ₹144.00

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13. The population of a city is 20000. If the rate of increase in population is 2.00% per annum, what is the population after 2 years?

(i) 20818 (ii) 20798 (iii) 20808

(iv) 20828 (v) 20788

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14. The population of a city is 20000. If the rate of decrease in population is 6.00% per annum, what is the popoulation after 5 years?

(i) 14688 (ii) 14658 (iii) 14668

(iv) 14678 (v) 14698

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15. If 2.00% and 5.00% are two successive changes, then the overall change is

(i) 5.10% (ii) 7.10% (iii) 9.10% (iv) 6.10% (v) 8.10%

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16. The present value of a machine is ₹10000.00. Suppose it depreciates at the rate of 8.00% per annum, what is the value of the machine after 5 years?

(i) ₹6590.82 (ii) ₹6589.82 (iii) ₹6591.82

(iv) ₹6592.82 (v) ₹6588.82

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17. The present value of a machine is ₹7000.00. Suppose it depreciates at the rate of 5.00% per annum, what was the value of the machine 5 years ago?

(i) ₹9046.49 (ii) ₹9045.49 (iii) ₹9044.49

(iv) ₹9047.49 (v) ₹9048.49

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18. If the price of a commodity increases by 7.00%, the reduction in consumption so as not to increase the expenditure is

(i) 8.54% (ii) 6.54% (iii) 7.54% (iv) 5.54% (v) 4.54%

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19. If the price of a commodity decreases by 9.00%, the increase in consumption so as to match the expenditure is

(i) 7.89% (ii) 8.89% (iii) 9.89% (iv) 10.89% (v) 11.89%

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20. If 'a' exceeds 'b' by 10.00%, then 'b' is short of 'a' by

(i) 11.09% (ii) 9.09% (iii) 10.09% (iv) 7.09% (v) 8.09%

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21. If 'a' is short of 'b' by 6.00%, then 'b' exceeds 'a' by

(i) 7.38% (ii) 8.38% (iii) 4.38% (iv) 5.38% (v) 6.38%

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22. If the radius of a circle is increased by 8.00%, its area will increase by

(i) 14.64% (ii) 17.64% (iii) 15.64% (iv) 16.64% (v) 18.64%

Assignment Key

1) (iii)
2) (i)
3) (i)
4) (ii)
5) (i)
6) (iii)
7) (iv)
8) (i)
9) (iii)
10) (iv)
11) (v)
12) (v)
13) (iii)
14) (iv)
15) (ii)
16) (i)
17) (i)
18) (ii)
19) (iii)
20) (ii)
21) (v)
22) (iv)